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Claims

[c1] 1. An adjustable collimator, comprising:
an adjustable main body, having an interior space, a top portion, a bottom portion and an adjuster between said top portion and said bottom portion, said adjuster being adapted for adjusting a relative distance between said top portion and said bottom portion;
a first collimating element, fixed inside said interior space of said top portion to move with said top portion; and
a second collimating element, fixed inside said interior space of said bottom portion to move with said bottom portion.

[c2] 2.The adjustable collimator of claim 1, further comprising a mask covering said adjustable main body below said first collimating element.

[c3] 3.The adjustable collimator of claim 1,wherein said adjuster includes a rough adjustment element and a fine adjustment element.

[c4] 4. The adjustable collimator of claim 1,wherein a shape of holes of said first collimating element is same as that

of said second collimating element.

[c5] 5. The adjustable collimator of claim 1,wherein a shape of holes of said first collimating element is different from that of said second collimating element.

[c6] 6.A sputtering apparatus for sputtering a target material onto an object, comprising:
a chamber, said target material, disposed inside said chamber;
a holding base, disposed inside said chamber opposite to said target material; and
an adjustable collimator, set between said holding base and said target material, said adjustable collimator in-cluding:
an adjustable main body, having an interior space, a top portion, a bottom portion and an adjuster between said top portion and said bottom portion, said adjuster being adapted for adjusting a relative distance between said top portion and said bottom portion;
a first collimating element, fixed inside said interior space of said top portion to move with said top portion; and
a second collimating element, fixed inside said interior space of said bottom portion to move with said bottom portion.

[c7] 7.The sputtering apparatus of claim 6, further comprising a mask covering said adjustable main body below said first collimating element.

[c8] 8.The sputtering apparatus of claim 6,wherein said adjuster includes a rough adjustment element and a fine adjustment element.

[c9] 9. The sputtering apparatus of claim 6,wherein a shape of holes of said first collimating element is same as that of said second collimating element.

[c10] 10. The sputtering apparatus of claim 6,wherein a shape of holes of said first collimating element is different from that of said second collimating element.

[c11] 11.A sputtering apparatus for sputtering a target material onto an object, comprising:
a chamber, said target material being disposed inside said chamber;
a holding base, disposed inside said chamber opposite to said target material; and
an adjustable collimator, disposed on said holding base to cover said object so that said adjustable collimator moves with said holding base, said adjustable collimator including
an adjustable main body, having an interior space, a top

portion, a bottom portion and an adjuster between said top portion and said bottom portion, said adjuster being adapted for adjusting a relative distance between said top portion and said bottom portion;

a first collimating element, fixed inside said interior space of said top portion to move with said top portion; and

a second collimating element, fixed inside said interior space of said bottom portion to move with said bottom portion.

[c12] 12.The sputtering apparatus of claim 11, further comprising a mask covering said adjustable main body below said first collimating element.

[c13] 13.The sputtering apparatus of claim 11,wherein said adjuster includes a rough adjustment element and a fine adjustment element.

[c14] 14. The sputtering apparatus of claim 11,wherein a shape of holes of said first collimating element is same as that of said second collimating element.

[c15] 15. The sputtering apparatus of claim 11,wherein a shape of holes of said first collimating element is different from that of said second collimating element.